



DVD Player

Operating Instructions

DMX-DVD

Owner's Record

The model and serial numbers are located at the rear of the product. Record these numbers in the spaces provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

Model No. _____

Serial No. _____

WARNING

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.



 This symbol is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

 This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance. The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.

This product is not intended for use with a personal computer, and operations cannot be guaranteed when connected to one.

NOTIFICATION

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Pursuant to FCC regulations, you are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

CAUTION

To prevent electric shock, do not use this polarized AC plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.

CAUTION

The use of optical instruments with this product will increase eye hazard. As the laser beam used in this DVD player is harmful to eyes, do not attempt to disassemble the cabinet. Refer servicing to qualified personnel only.

For Customers in Canada

This Class B digital apparatus complies with Canadian ICES-003.

CAUTION

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment. Reverse engineering or disassembly is prohibited.

INSTALLATION

The apparatus should be installed near an easily accessible AC power outlet.

Licensing Information

HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing, LLC.

Manufactured under license from Dolby Laboratories. “Dolby” and the double-D symbol are trademarks of Dolby Laboratories.

“BRAVIA” and BRAVIA are trademarks or registered marks of Sony Corporation.

“XrossMediaBar” is a trademark of Sony Corporation. “XMB” is a trademark of Sony Corporation and Sony Computer Entertainment Inc.



Important Safety Instructions

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



ACCESSORIES

Keep small accessories out of children's reach. Use only the specified accessories with this product.

Notes About the Discs

- To keep the disc clean, handle the disc by its edge. Do not touch the surface. Dust, fingerprints, or scratches on the disc may cause it to malfunction.



- Do not expose the disc to direct sunlight or heat sources such as hot air ducts, or leave it in a car parked in direct sunlight as the temperature may rise considerably inside the car.
- After playing, store the disc in its case.
- Clean the disc with a cleaning cloth. Wipe the disc from the center out.



- Do not use solvents such as benzine, thinner, commercially available cleaners, or anti-static spray intended for vinyl LPs.
- If you have printed the disc's label, dry the label before playing.

Precautions

On safety

- To prevent fire or shock hazard, do not place objects filled with liquids, such as vases, on the apparatus.
- Should any solid object or liquid fall into the cabinet, unplug the player and have it checked by qualified personnel before operating it any further.
- Take care when routing the cables so that they do not become entangled and catch on your feet or hands.

On power sources

- The player is not disconnected from the AC power source as long as it is connected to the wall outlet, even if the player itself has been turned off.
- If you are not going to use the player for a long time, be sure to disconnect the player from the wall outlet. To disconnect the AC power cord, grasp the plug itself; never pull the cord.

On placement

- Be sure to mount the player on the back of the TV set. It is not meant to be used unattached to the TV set.
- Place the player in a location with adequate ventilation to prevent heat build-up in the player.
- Do not place the player on a soft surface such as a rug.
- Do not place the player in a location near heat sources, or in a place subject to direct sunlight, excessive dust, or mechanical shock.
- Do not install the player in an inclined position. It is designed to be operated in a vertical position only.
- Do not place any objects on the player.
- Keep the player and the discs away from equipment with strong magnets, such as microwave ovens, or large loudspeakers.
- Install the player so that the AC power cord can be unplugged from the wall socket immediately in the event of trouble.
- When using the adjustable mounting bracket at setting 2, be sure to use the supplied Velcro strip (see page 14).

On operation

- If the player is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lenses inside the player. Should this occur, the player may not operate properly. In this case, remove the disc and leave the player turned on for about half an hour until the moisture evaporates.
- When you move the player, take out any discs. If you don't, the disc may be damaged.
- Do not move the TV using the player as a handle.

On adjusting volume

- Do not turn up the volume while listening to a section with very low level inputs or no audio signals. If you do, the speakers may be damaged when a peak level section is played.

On cleaning

- Clean the cabinet with a soft cloth slightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder or solvent such as alcohol or benzene.

On cleaning discs, disc/lens cleaners

- Do not use cleaning discs or disc/lens cleaners (including wet or spray types). These may cause the apparatus to malfunction.

On replacement of parts

- In the event that this unit is repaired, repaired parts may be collected for reuse or recycling purposes.
- If you have any questions or problems concerning your player, please consult your nearest Sony dealer.

This Player Can Play the Following Discs

Format of discs	
Commercial DVD	
DVD-RW/-R/-R DL	 
DVD+RW/+R/+R DL	  
Music CD	
CD-RW/-R	 

“DVD+RW,” “DVD-RW,” “DVD+R,” “DVD+R DL,” “DVD-R,” “DVD VIDEO,” and “CD” logos are trademarks.

Note about CDs/DVDs

The player can play CD-ROMs/CD-Rs/CD-RWs recorded in the following formats:

- music CD format
- MP3 audio tracks and JPEG image files of format conforming to ISO 9660* Level 1/Level 2, or its extended format, Joliet
- KODAK Picture CD format
- * A logical format of files and folders on CD-ROMs, defined by ISO (International Organization for Standardization).

The player can play DVD-ROMs/DVD-RWs/DVD-Rs/ DVD-Rs DL/DVD+RWs/DVD+Rs/DVD+Rs DL recorded in the following formats:

- MP3 audio tracks and JPEG image files of format conforming to UDF (Universal Disk Format).

Example of discs that the player cannot play

The player cannot play the following discs:

- CD-ROMs/CD-Rs/CD-RWs other than those recorded in the formats listed on the previous page.
- CD-ROMs recorded in PHOTO CD format.
- Data part of CD-Extras.
- DVD Audio discs.
- HD layer on Super Audio CDs.
- Blu-ray discs
- HD DVDs
- Disc recorded with an AVCHD-compatible DVD video camera
- A commercial DVD with a different region code.
- A disc recorded in a color system other than NTSC, such as PAL or SECAM (this player conforms to the NTSC color system).
- A disc that has a non-standard shape (e.g., card, heart).
- A disc with paper or stickers on it.
- A disc that has the adhesive of cellophane tape or a sticker still left on it.

Region code

This player will play commercial DVDs (playback only) labeled with region code 1 or .

If you try to play any other commercial DVD, the message “Playback prohibited by area limitations.” will appear on the TV screen. Depending on the commercial DVD, there may be no region code indication, even though playing the commercial DVD is prohibited by area restrictions.



• Notes about DVD+RWs/DVD+Rs/DVD+Rs DL, DVD-RWs/DVD-Rs/DVD-Rs DL or CD-Rs/CD-RWs

Some DVD+RWs/DVD+Rs/DVD+Rs DL, DVD-RWs/DVD-Rs/DVD-Rs DL, or CD-Rs/CD-RWs cannot be played on this player due to the recording quality or physical condition of the disc, or the characteristics of the recording device and authoring software.

The disc will not play if it has not been correctly finalized. For more information, refer to the operating instructions for the recording device. Note that some playback functions may not work with some DVD+RWs/DVD+Rs/DVD+Rs DL, even if they have been correctly finalized. In this case, view the disc by normal playback. Also some DATA CDs/DATA DVDs created in Packet Write format cannot be played.

• Music discs encoded with copyright protection technologies

This product is designed to playback discs that conform to the Compact Disc (CD) standard.

Recently, various music discs encoded with copyright protection technologies are marketed by some record companies. Please be aware that among those discs, there are some that do not conform to the CD standard and may not be playable by this product.

• For player that cannot play images that contain a copy protection only

Images in DVD-VR mode with CPRM* protection may not be played if they contain a copy protection signal, “Copyright lock” appears on the screen.

* CPRM (Content Protection for Recordable Media) is a coding technology that protects the copyright of images.

• Note on DualDiscs

A DualDisc is a two sided disc product which mates DVD recorded material on one side with digital audio material on the other side.

However, since the audio material side does not conform to the Compact Disc (CD) standard, playback on this product is not guaranteed.

Note on playback operations of DVDs

Some playback operations of DVDs may be intentionally set by software producers. Since this player plays DVDs according to the disc contents the software producers designed, some playback features may not be available. Also, refer to the instructions supplied with the DVDs.



- DVD Media/Formats are not universally compatible
- Playback on all home DVD players cannot be guaranteed. Some players lack the ability to read due to the optical reflection standard of DVD discs and /or due to encoding incompatibilities. Refer to the specifications of your playback equipment for additional compatibility information.

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About This Manual

- Instructions in this manual describe the controls on the remote.
- “DVD” may be used as a general term for commercial DVDs, DVD+RWs/DVD+Rs/DVD+Rs DL (+VR mode) and DVD-RWs/DVD-Rs/DVD-Rs DL (VR mode, video mode).
- The meaning of the icons used in this manual is described below:

Icons	Meaning
	Functions available for commercial DVDs and DVD+RWs/DVD+Rs/DVD+Rs DL in +VR mode or DVD-RWs/DVD-Rs/DVD-Rs DL in video mode
	Functions available for DVD-RWs/DVD-Rs/DVD-Rs DL in VR (Video Recording) mode
	Functions available for music CDs or CD-Rs/CD-RWs in music CD format
	Functions available for DATA CDs (CD-ROMs/CD-Rs/CD-RWs containing MP3* audio tracks, and JPEG image files)
	Functions available for DATA DVDs (DVD-ROMs/DVD+RWs/DVD+Rs/DVD+Rs DL/DVD-RWs/DVD-Rs/DVD-Rs DL containing MP3* audio tracks, and JPEG image files)

*MP3 (MPEG-1 Audio Layer III) is a standard format defined by ISO (International Organization for Standardization)/IEC (International Electrotechnical Commission) MPEG which compresses audio data.

Overview

Thank you for purchasing this Sony BRAVIA DVD Link, DMX-DVD. Some features of this product include:

- Attachment to the back of your Sony BRAVIA TV to remain out-of-sight.
- Ability to use your TV's remote control, providing a seamless integration between the player and your TV.

This player is compatible with certain models of BRAVIA televisions. Check the compatibility with your TV before continuing. Visit <http://www.sonymstyle.com/dmxdvd> to view model compatibility.

Package Contents

Please check the contents against the list below.

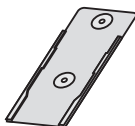
DMX-DVD



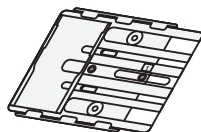
Remote Control



Fixed Mounting Bracket



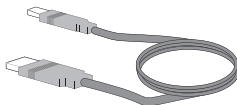
Adjustable Mounting Bracket



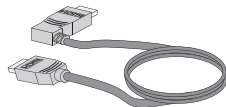
AC Adapter with AC Cord



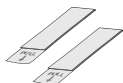
USB Cable



HDMI Cable



Velcro Strips (x2)



Type AA Batteries (x2)



Thumb Screw



Plastic Fasteners (x2)



Linux Flyer



Warranty Card

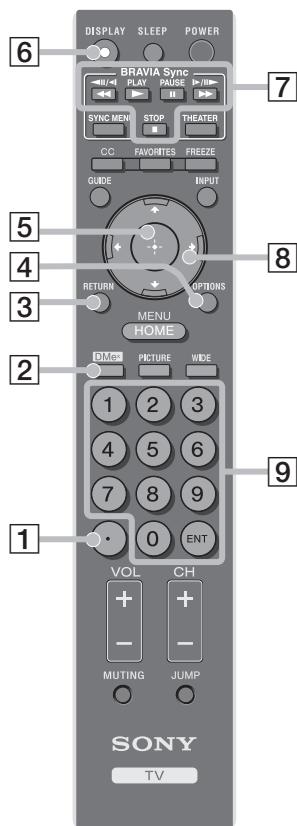


Operating Instructions



Remote Control

Operate the DVD player using the supplied Sony remote control.



Basic Menu Operations

1		Press to display the DVD top menu
2		Press to switch between TV and DVD mode for TVs with XMB™ (XrossMediaBar) menu. (See page 11 for more information.)
3		Press to exit a menu
4		Press to display the DVD or Data Disc menu
5		Press to select an item
6		Press to display the Control Menu

Controlling DVD Playback

7		Press to play
		Press to stop
		Press to pause
		Press to scan/slow backward
		Press to scan/slow forward
8		Press to go to the previous chapter, track, or scene.
		Press to go to the next chapter, track, or scene.

Navigating

8		Press to navigate left
		Press to navigate right
		Press to navigate up
		Press to navigate down



- Your Sony TV remote control can also operate the DVD player. Some of the buttons illustrated here may be different or may not be available on your Sony TV remote control.
- For programmable remote controls, you must be in the TV mode to navigate the DVD player. Press the TV button to enter the TV mode and use the buttons described to navigate.

Some of the DVD functions may require pressing two buttons to operate the DVD player. For example, press **ENT** then **8** to eject or reinsert the disc. Refer to the chart below for other operations.

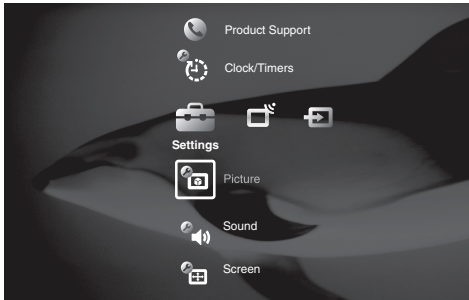
Button Combinations		
9	ENT + 1	Press to advance to the next scene
	ENT + 2	Press to replay the previous scene
	ENT + 3	Press to clear number entries
	ENT + 4	Press to change the audio language for DVD discs and background music during photo play
	ENT + 5	Press to display the subtitles
	ENT + 6	Press to display the playing time and remaining time
	ENT + 7	Press to change the angle
	ENT + 8	Press to eject the disc or reinsert the disc
	ENT + 9	Press to change the zoom
	ENT + 0	Press to change the surround sound settings

Additional Button Operations		
3	RETURN	Press to stop playback
5	+	Press to play or pause
8	↑	Press to scan/slow forward
	↓	Press to scan/slow backward

TV Menus

Depending on the menu type, there are some differences in setup and operation. Identify your menu type below and follow the directions as explained for your TV.

TV Home Menu/XMB™ (XrossMediaBar)



Panel Menu



Attaching the DVD Player to Your TV

Fixed Mounting Bracket

The Fixed Mounting Bracket is recommended for smaller model size TVs. With larger TV models, the bracket may cause the player to recess behind the TV. In this case, use the supplied Adjustable Mounting Bracket illustrated on the next page.

- 1** Insert the guide pins on the bracket into the guide holes on the TV. The holes on the bracket should align to the holes on the TV.
- 2** Insert the two plastic fasteners (supplied) into the holes, then press in the head of the fasteners until they click.

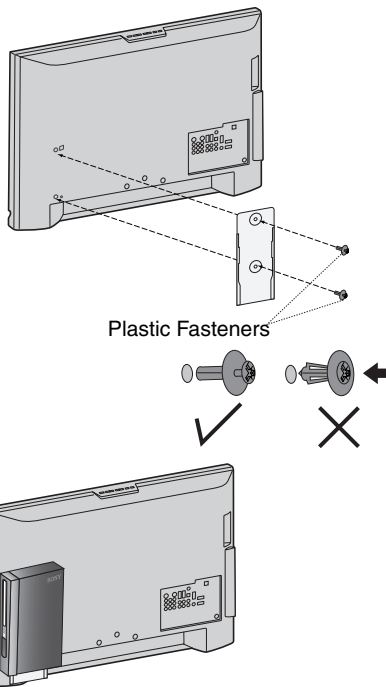


Do not push on the head of the plastic fastener until you have inserted it into the hole on the TV.

- 3** Slide the DVD player onto the bracket with the DVD slot facing the outer edge of the TV.



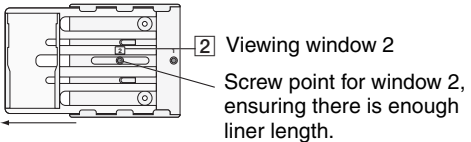
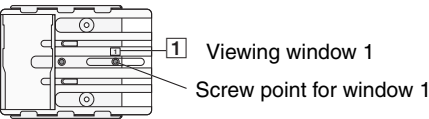
To remove the bracket from the TV, use a Phillips screwdriver (not supplied) to loosen the plastic fasteners.



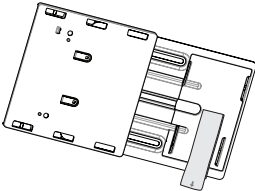
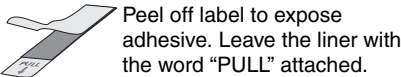
Adjustable Mounting Bracket

The Adjustable Mounting Bracket is recommended for 46" TVs or larger. Using the table below, choose the preferred position at which to secure the bracket.

Adjustable Mounting Bracket Settings	
1	The bracket retracts so that the DVD player is close to the edge of the TV. If the player protrudes beyond the TV at this setting, use the Fixed Mounting Bracket.
2	The bracket expands so that the DVD player is much closer to the edge of the TV. This is recommended for larger TV models. Use of a Velcro strip (supplied) is advised when using bracket setting 2.



Attaching a Velcro Strip for Bracket Setting 2



Attach the Velcro strip to the back of the bracket as illustrated. Leave enough space so that you can pull the adhesive liner to remove it in a later step. DO NOT remove the liner until you have decided on the position of the bracket.



Only one Velcro strip is necessary.

Attaching the Mounting Bracket to the TV

- 1 With the bracket fully extended, insert the guide pins on the bracket into the guide holes on the TV. The holes on the bracket should align to the holes on the TV.

- 2 Insert the 2 plastic fasteners (supplied) into the holes, then press in the head of the fasteners until they click.



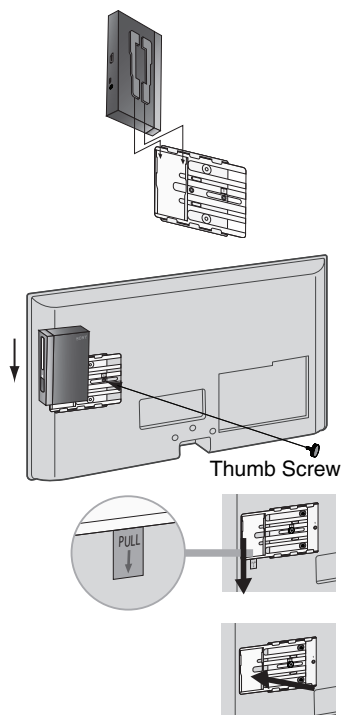
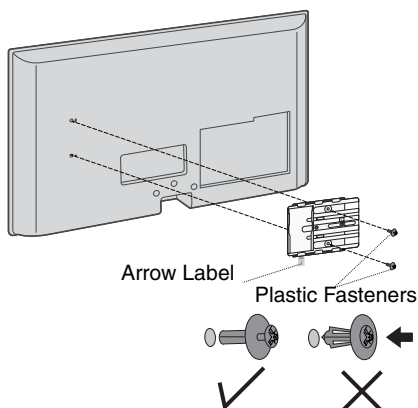
Do not push on the head of the plastic fastener until you have inserted it into the hole on the TV.

- 3 Slide the bracket so that the viewing window covers the corresponding number (see the illustrations and table on the previous page). If the viewing window indicates Bracket Setting 2, be sure to use a Velcro strip (supplied); see previous page.

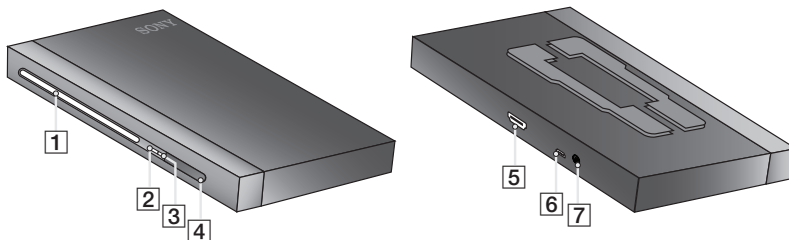
- 4 Align the slider on the bottom of the receiver unit with the groove of the installation bracket.

- 5 Slide down the DVD player onto the bracket with the DVD slot facing the outer edge of the TV. Before proceeding to the next step, make sure that you are satisfied with the position of the DVD player in relation to the TV.

- 6 Secure the location of the sliding bracket by screwing the Thumb Screw into the screw point located just beneath the viewing window. If Bracket Setting 2 is used, peel off the arrow label by pulling downwards, and firmly press the bracket onto the TV.



Locating the Essential Parts



Item	Description
1 Disc Slot	Insert disc here.
2 Power LED	Indicates the status of the player. Green LED: the player is powered on.
3 Disc Loading LED	Indicates the disc loading status. Orange LED: the disc is loading or unloading.
4 Eject Button	Ejects the disc from the player.
5 HDMI Out	Connects to the HDMI port on the TV
6 DMe^x OUT	Connects to the DMe ^x /SERVICE port on the TV (models with XMB™ only).
7 DC IN 12V	Connects to the supplied AC adapter with AC cord.

Connecting Your DVD Player

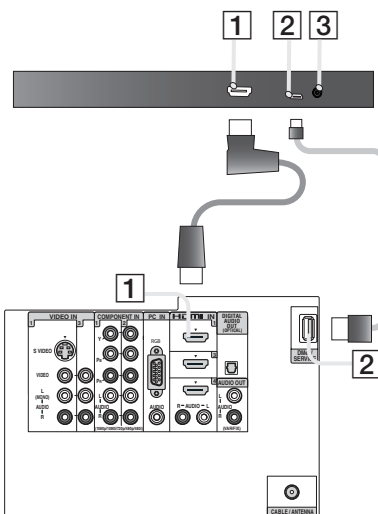
- 1 Connect the L-shaped end of the HDMI cable (supplied) to the HDMI OUT on the DVD player, then connect the straight end of the HDMI cable to any HDMI IN on the TV **1**.



This DVD player should be directly connected to the TV.

- 2 Connect the supplied AC adapter with AC power cord between the DC IN 12V and the nearest wall outlet **3**.

- 3 For models with **XMB™** menu only: Connect the supplied USB cable between the DVD player's DMe^x port and the DMe^x/SERVICE port on the TV **2**.



Configuring Your TV to Operate the DVD Player

After completing all of the required connections, configure your TV to the DVD player.

TVs with XMB™

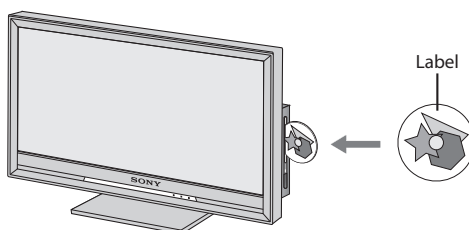
- 1** Press **HOME** on the remote control and select **HDMI Settings**.
- 2** Select **Control for HDMI** or **HDMI Control**.
- 3** Highlight **On** and press **+** and exit the menu.

TVs with Panel Menu

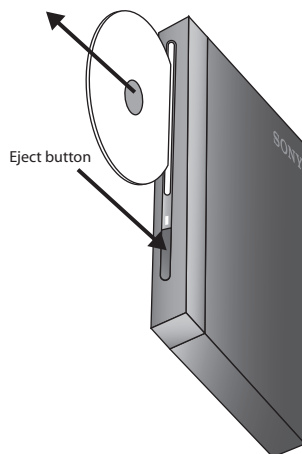
- 1** Press **HOME** on the remote control and select **Setup**.
- 2** Select **Control for HDMI**.
- 3** Highlight **On** and press **+**.
- 4** Highlight **Update Control for HDMI List**, select **OK** and exit the menu.

How to Insert and Eject Discs

Gently insert the disc into the center of the disc slot as illustrated. The DVD player will load the disc to playing position. The LED on the player lights up in orange while the disc is loading.



Press the Eject button on the DVD player. The player will automatically eject the disc. Gently remove the disc from the disc slot. The LED on the player lights up in orange while the disc is ejecting.



You can also eject the disc by pressing **END + 8** on your remote control when the TV is powered on and in the DVD mode.

Guide to the Control Menu Display

Use the Control Menu to select a function and to view related information.

Accessing the player's Control Menu display

When no disc is in the DVD player:

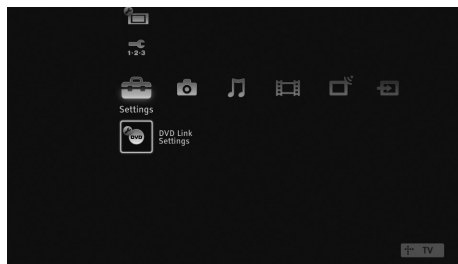
While in TV mode with no disc inserted in the player, you can access the Control Menu to view and change settings. To access the Control Menu, identify your TV menu and follow the directions below.



TVs must have **Control for HDMI** or **HDMI Control** set to "On." See "Configuring Your TV to Operate the DVD Player" on page 17 or the TV's Operating Instructions for details on this setting.

TVs with XMB™

- 1 Turn on the TV.
- 2 Press the **HOME** button on the remote control.
- 3 Highlight the **Settings** icon.
- 4 Press the **↓** button and highlight the **DVD Link Settings** icon.
- 5 Press **+**.



TVs with Panel Menu

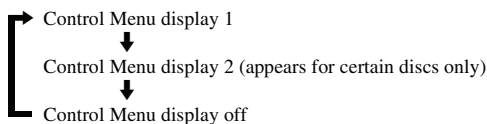
- 1 Turn on the TV.
- 2 Press the **HOME** button on the remote control.
- 3 Select the **External Inputs** menu.
- 4 Highlight **DVD Link** and press **+**.



- 5 Press the **DISPLAY** button.
- 6 Navigate to  (**SETUP**) using **↑/↓**.
- 7 Press **+**.

When a disc is inserted in the DVD player

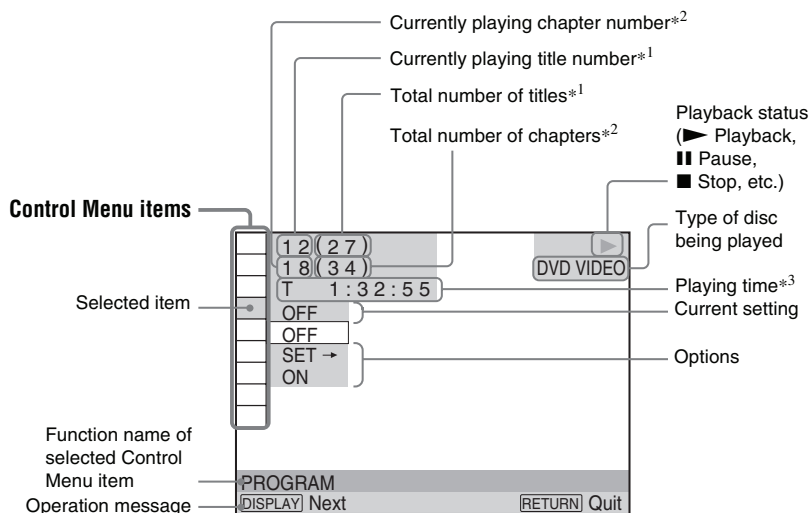
While in the DVD mode with a disc playing, press **DISPLAY** repeatedly to turn on or change the Control Menu display as follows:



Control Menu display

The Control Menu display 1 and 2 will show different items depending on the disc type.

Example: Control Menu display 1 when playing a DVD VIDEO.



*1 Displays the track number for CDs, album number for DATA CDs/DATA DVDs.

*2 Displays the MP3 audio track number, or JPEG image file number for DATA CDs/DATA DVDs.

*3 Displays the date for JPEG files.

To turn off the Control Menu display

Press **DISPLAY** repeatedly.

Control Icons and Descriptions

Icon	Item Name, Function
	TITLE/SCENE/TRACK Selects the title, scene, or track to be played.
	CHAPTER/INDEX Selects the chapter or index to be played.
	TRACK Selects the track to be played.
	TIME/TEXT Checks the elapsed time and the remaining playback time. Input the time code for picture and music searching. Displays the DVD/CD text or the DATA CD/DATA DVD track/file name.
	ORIGINAL/PLAY LIST Selects the type of titles (DVD-VR mode) to be played, the ORIGINAL one, or an edited PLAY LIST.
	PROGRAM Selects the title, chapter, or track to play in the order you want.
	SHUFFLE Plays the title, chapter, or track in random order.
	REPEAT Plays the entire disc (all titles/all tracks/all albums) repeatedly or one title/chapter/track/album repeatedly.
	A-B REPEAT Specifies the parts you want to play repeatedly.
	CUSTOM PICTURE MODE Adjusts the video signal from the player. You can select the picture quality that best suits the program you are watching.

Icon	Item Name, Function
	SHARPNESS Exaggerates the outline of the image to produce a sharper picture.
	AV SYNC Adjust the delay between the picture and sound.
	PARENTAL CONTROL Set to prohibit playback on this player.
	SETUP CUSTOM Setup You can adjust various settings. RESET Returns the settings in "SETUP" to the default setting.
	ALBUM Selects the album that contains MP3 audio track and JPEG image file to be played.
	FILE Selects the JPEG image file to be played.
	DATE Displays the date the picture was taken by a digital camera.
	INTERVAL Specifies the duration for which the slides are displayed on the screen.
	EFFECT Selects the slide transition effect during a slide show.
	MODE (MP3, JPEG) Selects the data type; MP3 audio track (AUDIO), JPEG image file (IMAGE), or both (AUTO) to be played when playing a DATA CD or DATA DVD.



The menu items may vary depending on the disc type inserted.

Playing Discs

DVDVideo DVDVR CD DATA CD DATA DVD

Depending on the DVD or disc, some operation may be different or restricted. Refer to the operating instructions supplied with your disc.

To turn on and off the player

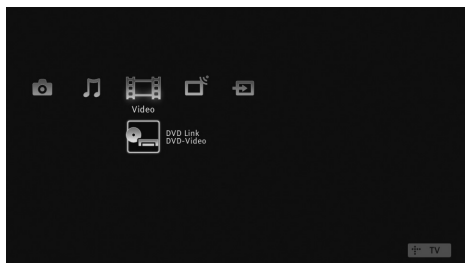
- The player is turned on automatically when the TV is powered on.
- The player enters standby mode when the TV is powered off.

To begin playback

Access the DVD player through the TV's menu. The point of access will differ based on the menu type or style on your TV. Identify your TV menu (see page 11) and follow the directions below to proceed.

TVs with XMB™

- 1 Turn on the TV.
- 2 Insert a disc into the player (see page 17).
- 3 Press **HOME** on the remote control
- 4 Highlight the **Photo**, **Music**, or **Video** icon. These icons are added to the **XMB™** when the associated content is available on the disc.



- 5 Highlight your selection and press **+**.

TVs with Panel Menu

- 1 Turn on the TV.
- 2 Insert a disc into the player (see page 17).
- 3 Press **HOME** on the remote control.
- 4 Highlight the **External Inputs** category and press **+**.
- 5 Highlight **DVD Link** and press **+** to switch to the DVD player.



Resuming Playback From the Point Where You Stopped the Disc (Multi-disc Resume) DVDVideo

The player stores the point where you stopped the disc for up to 6 discs and resumes playback the next time you insert the same disc. If you store a resume playback point for the 7th disc, the resume playback point for the first disc is deleted.

- 1 While playing a disc, press ■ to stop playback. “Disc resumes from this point” appears on the screen.
- 2 Press ►.
The player starts playback from the point where you stopped the disc in step 1.

Hint

To play from the beginning of the disc, press ■ twice, then press ►.



- “MULTI-DISC RESUME” in “CUSTOM SETUP” must be set to “ON” (default) for this function to work (page 41).
- The point where you stopped playing is cleared when:
 - you change the play mode.
 - you change the settings on the Setup Display.
- For DVD-VR mode, CDs, DATA CDs, and DATA DVDs, the player remembers the resume playback point for the current disc.
The resume point is cleared when:
 - you eject the disc.
 - the player enters standby mode by powering off the TV.
 - the player enters standby mode (DATA CD/DATA DVD only).
- Resume Play does not work during Shuffle Play and Program Play.
- This function may not work with some discs.
- If “MULTI-DISC RESUME” in “CUSTOM SETUP” is set to “ON” and you playback a recorded disc such as DVD-RW, the player may playback other recorded discs from the same resume point.

Using the DVD’s Menu DVDVideo

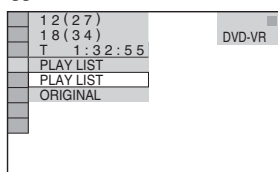
A DVD VIDEO is divided into long sections of a picture or a music feature called “titles.”

- 1 Press  to access the DVD Menu or  to access the Top Menu.
The disc’s menu appears on the TV screen. The contents of the menu vary from disc to disc.
- 2 Press ◀/▶/◀▶ to highlight the item you want to play or change.
- 3 Press .

Selecting “ORIGINAL” or “PLAY LIST” in DVD-VR mode DVDVR

Some DVD-VR (Video Recording) mode have two types of titles for playback: originally recorded titles (ORIGINAL) and titles that can be created on recordable DVD players for editing (PLAY LIST). You can select the type of title to be played.

- 1 Press **DISPLAY** when the player is in stop mode.
The Control Menu appears.
- 2 Press ◀/▶ to highlight (ORIGINAL/PLAY LIST), then press .
The options for “ORIGINAL/PLAY LIST” appear.



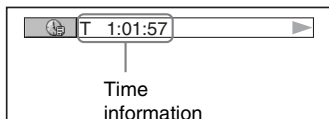
- 3 Press ◀/▶ to highlight a setting.
PLAY LIST: plays the titles created from “ORIGINAL” for editing.
ORIGINAL: plays the titles originally recorded.
- 4 Press .

Checking the Playing Time and Remaining Time **DVDVideo DVDVR CD DATA CD**

DATA DVD

You can check the playing time and remaining time of the current title, chapter, or track. Also, you can check the DVD/CD text or track name (MP3 audio) recorded on the disc.

- 1 Press **ENT** + **6** during playback. The following display appears.



- 2 Press **ENT** + **6** repeatedly to change the time information. The available time information depends upon the type of disc you are playing.

◆ When playing a DVD

- T *:*: (hours: minutes: seconds)
Playing time of the current title
- T- *:*:
Remaining time of the current title
- C *:*:
Playing time of the current chapter
- C- *:*:
Remaining time of the current chapter

◆ When playing a CD

- T *:*: (minutes: seconds)
Playing time of the current track
- T- *:*:
Remaining time of the current track
- D *:*:
Playing time of the current disc
- D- *:*:
Remaining time of the current disc

◆ When playing a DATA CD (MP3 audio) or DATA DVD (MP3 audio)

- T *:*: (minutes: seconds)
Playing time of the current track

Checking the play information of the disc

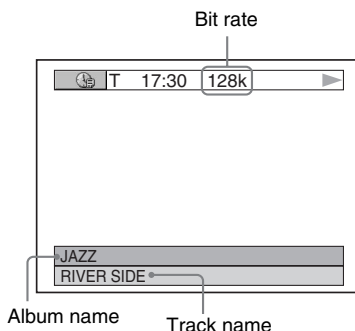
To check the DVD/CD text

Press **ENT** + **6** repeatedly in step 2 to display text recorded on the DVD/CD.

The DVD/CD text appears only when text is recorded in the disc. You cannot change the text. If the disc does not contain text, "NO TEXT" appears.

To check DATA CD/DATA DVD album name, etc.

By pressing **ENT** + **6** while playing MP3 audio tracks on a DATA CD/DATA DVD, you can display the name of the album/track and the audio bit rate (the amount of data per second of the current audio track) on your TV screen.



Various Play Mode Functions

(Program Play, Shuffle Play, Repeat Play, A-B Repeat Play) **DVDVideo CD**

You can set the following play modes:

- Program Play
- Shuffle Play
- Repeat Play
- A-B Repeat Play



The play mode is canceled when:

- you eject the disc.
- the player enters standby mode by powering off the TV.

Creating your own program

(Program Play) **DVDVideo** **CD**

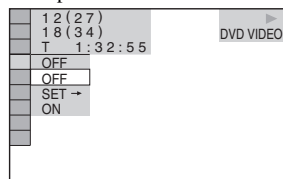
You can play the contents of a disc in the order you want by arranging the order of the titles, chapters, or tracks on the disc to create your own program. You can program up to 99 titles, chapters, and tracks.

1 Press **DISPLAY**.

The Control Menu appears.

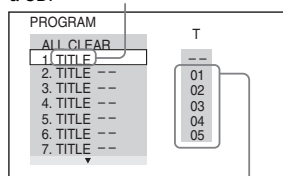
2 Press **▲/▼** to highlight **PROGRAM**, then press **+**.

The options for “**PROGRAM**” appear.



3 Press **▲/▼** to highlight “**SET →**,” then press **+**.

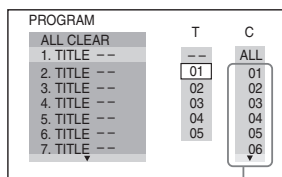
“**TRACK**” is displayed when you play a CD.



Titles or tracks recorded on a disc

4 Press **→**.

The cursor moves to the title or track row “**T**” (in this case, “**01**”).



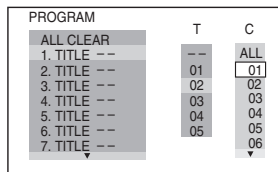
Chapters recorded on a disc

5 Select the title, chapter, or track you want to program.

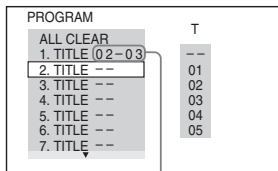
When playing a DVD VIDEO

For example, select chapter “**03**” of title “**02**.”

Press **▲/▼** to select “**02**” under “**T**,” then press **+**.



Next, press **▲/▼** to select “**03**” under “**C**,” then press **+**.

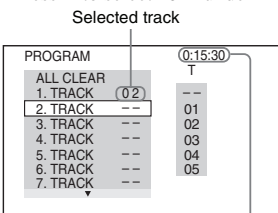


Selected title and chapter

When playing a CD

For example, select track “**02**.”

Press **▼** to select “**02**” under “**T**,” then press **+**.



Total time of the programmed tracks

6 To program other titles, chapters, or tracks, repeat steps 4 to 5.

The programmed titles, chapters, and tracks are displayed in the selected order.

7 Press **1** to start Program Play.

Program Play begins.

When the program ends, you can restart the same program again by pressing **+**.

To return to normal play

Select “**OFF**” in step 3. To play the same program again, select “**ON**” in step 3 and press **+**.

To change or cancel a program

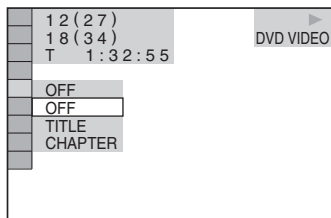
- 1 Follow steps 1 to 3 of “Creating your own program (Program Play).”
- 2 Select the program number of the title, chapter, or track you want to change or cancel using $\blacktriangle/\blacktriangledown$ and press $\oplus$.
- 3 Follow step 5 for new programming. To cancel a program, select “--” under “T,” then press $\oplus$.

Playing in random order (Shuffle Play)

DVDVideo CD

You can have the player “shuffle” titles, chapters, or tracks. Subsequent “shuffling” may produce a different playing order.

- 1 Press **DISPLAY** during playback. The Control Menu appears.
- 2 Press $\blacktriangle/\blacktriangledown$ to highlight  (SHUFFLE), then press $\oplus$. The options for “SHUFFLE” appear.



- 3 Press $\blacktriangle/\blacktriangledown$ to select the item to be shuffled.
 - ◆ When playing a DVD VIDEO
 - TITLE
 - CHAPTER
 - ◆ When playing a CD
 - TRACK
 - ◆ When Program Play is activated
 - ON: shuffles titles, chapters, or tracks selected in Program Play.
- 4 Press $\blacktriangleright$. Shuffle Play starts.

To return to normal play

Select “OFF” in step 3.

Hints

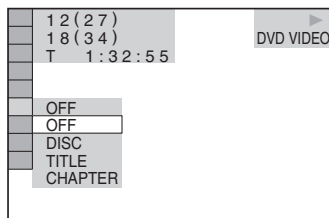
You can set Shuffle Play while the player is stopped. After selecting the “SHUFFLE” option, press $\blacktriangleright$. Shuffle Play starts. Up to 200 chapters in a disc can be played in random order when “CHAPTER” is selected.

Playing repeatedly (Repeat Play)

DVDVideo DVDVR CD DATA CD DATA DVD

You can play all of the titles or tracks on a disc, or a single title, chapter, or track repeatedly. You can use a combination of Shuffle or Program Play modes.

- 1 Press **DISPLAY** during playback. The Control Menu appears.
- 2 Press $\blacktriangle/\blacktriangledown$ to highlight  (REPEAT), then press $\oplus$. The options for “REPEAT” appear.



- 3 Press $\blacktriangle/\blacktriangledown$ to select the item to be repeated.
 - ◆ When playing a DVD VIDEO
 - DISC: repeats all of the titles.
 - TITLE: repeats the current title on a disc.
 - CHAPTER: repeats the current chapter.
 - ◆ When playing in DVD-VR mode
 - DISC: repeats all the titles of the selected type.
 - TITLE: repeats the current title on a disc.
 - CHAPTER: repeats the current chapter.
 - ◆ When playing a CD
 - DISC: repeats all of the tracks.
 - TRACK: repeats the current track.
 - ◆ When playing a DATA CD or DATA DVD
 - DISC: repeats all of the albums.
 - ALBUM: repeats the current album.
 - TRACK (MP3 audio tracks only): repeats the current track.
 - ◆ When Program Play or Shuffle Play is activated
 - ON: repeats Program Play or Shuffle Play.
- 4 Press $\blacktriangleright$. Repeat Play starts.

To return to normal play

Select “OFF” in step 3.

Hint

You can set Repeat Play while the player is stopped. After selecting the **“REPEAT”** option, press . Repeat Play starts.



- When repeating a DATA CD/DATA DVD which contains MP3 audio tracks and JPEG image files, and their playing times are not the same, the sound will not match the image.
- When “MODE (MP3, JPEG)” is set to “IMAGE (JPEG)” (page 44), you cannot select “TRACK.”

Repeating a specific portion (A-B Repeat Play)

DVDVideo **DVDVR** **CD**

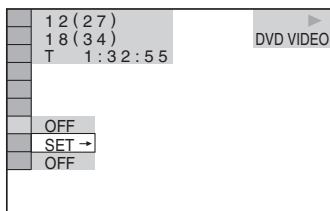
You can play a specific portion of a title, chapter, or track repeatedly. (This function is useful when you want to memorize lyrics, etc.)

1

Press **DISPLAY** during playback.
The Control Menu appears.

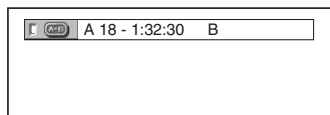
2

Press  to highlight  (A-B REPEAT), then press .
The options for **“A-B REPEAT”** appear.



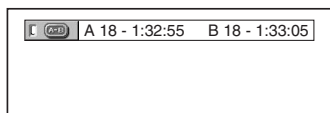
3

Press  to highlight **“SET ->”**, then press .
The **“A-B REPEAT”** setting bar appears.



4

During playback, when you find the starting point (point A) of the portion to be played repeatedly, press .
The starting point (point A) is set.



5

When you reach the ending point (point B), press  again.

The set points are displayed and the player starts repeating this specific portion.

To return to normal play

Select **“OFF”** in step 3.



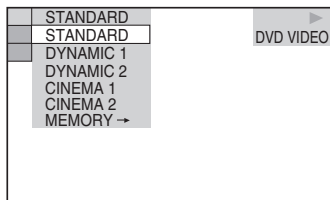
- When you set A-B Repeat Play, the settings for Shuffle Play, Repeat Play, and Program Play are canceled.
- A-B Repeat Play does not work across multiple titles.
- You may not set A-B Repeat Play for contents in DVD-VR mode that contains still pictures.

Adjusting the Playback Picture (CUSTOM PICTURE MODE)

DVDVideo **DVDVR** **DATA CD** **DATA DVD**

You can adjust the video signal of the DVD or DATA CD/DATA DVD in JPEG format from the player to obtain the picture quality you want. Choose the setting that best suits the program you are watching. When you select “**MEMORY**,” you can make further adjustments to each element of the picture (color, brightness, etc.).

- 1 Press **DISPLAY** twice during playback. The Control Menu appears.
- 2 Press $\blacktriangle/\blacktriangledown$ to highlight  (CUSTOM PICTURE MODE), then press $\oplus$. The options for “**CUSTOM PICTURE MODE**” appear.



- 3 Press $\blacktriangle/\blacktriangledown$ to highlight the setting you want. The default setting is underlined.
 - **STANDARD**: displays a standard picture.
 - **DYNAMIC 1**: produces a bold dynamic picture by increasing the picture contrast and the color intensity.
 - **DYNAMIC 2**: produces a more dynamic picture than OSD TEXT by further increasing the picture contrast and color intensity.
 - **CINEMA 1**: enhances details in dark areas by increasing the black level.
 - **CINEMA 2**: white colors become brighter and black colors become richer and the color contrast is increased.
 - **MEMORY**: adjusts the picture in greater detail.

- 4 Press $\oplus$. The selected setting takes effect.

Hint

When you watch a movie, “**CINEMA 1**” or “**CINEMA 2**” is recommended.

Adjusting the picture items in “MEMORY”

You can adjust each element of the picture individually.

- **PICTURE**: changes the contrast.
- **BRIGHTNESS**: changes the overall brightness.
- **COLOR**: makes the colors deeper or lighter.
- **HUE**: changes the color balance.

- 1 In step 3 of “Adjusting the Playback Picture,” select “**MEMORY**” and press $\oplus$. The “**PICTURE**” adjustment bar appears.



- 2 Press $\blacktriangle/\blacktriangledown$ to adjust the picture contrast. To go to the next or previous picture item without saving the current setting, press $\blacktriangle/\blacktriangledown$.
- 3 Press $\oplus$. The adjustment is saved and the “**BRIGHTNESS**” adjustment bar appears.
- 4 Repeat step 2 and 3 to adjust “**BRIGHTNESS**,” “**COLOR**” and “**HUE**.”

To turn off the Control Menu

Press **RETURN** or **DISPLAY**.

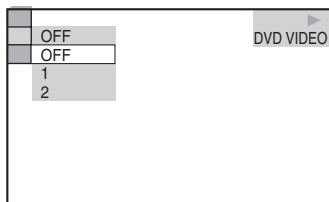
Sharpening the Picture

(SHARPNESS) DVDVideo DVDVR DATA CD

DATA DVD

You can enhance the outlines of images to produce a sharper picture.

- 1 Press **DISPLAY** twice during playback.
The Control Menu appears.
- 2 Press $\blacktriangle/\blacktriangledown$ to highlight  (SHARPNESS),
then press $\oplus$.
The options for “SHARPNESS” appear.



- 3 Press $\blacktriangle/\blacktriangledown$ to highlight a level.
1: enhances the outline.
2: further enhances the outline.
- 4 Press $\oplus$.
The selected setting takes effect.

To cancel the “SHARPNESS” setting

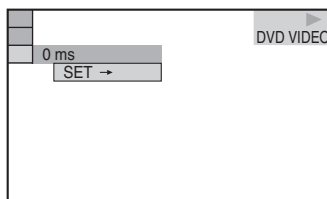
Select “OFF” in step 3.

Adjusting the Delay Between the Picture and Sound (AV SYNC)

SYNC) DVDVideo DVDVR

When the sound does not match the pictures on the screen, you can adjust the delay between the picture and sound.

- 1 Press **DISPLAY** twice during playback.
The Control Menu appears.
- 2 Press $\blacktriangle/\blacktriangledown$ to highlight  (AV SYNC),
then press $\oplus$.
The following display appears.



- 3 Press $\blacktriangledown$ to highlight “SET ->”, then press $\oplus$.
The “AV SYNC” adjustment bar appears.



- 4 Press $\blacktriangleright$ repeatedly to adjust the delay.
Each time you press $\blacktriangle/\blacktriangledown$, the delay is adjusted by 10 milliseconds.
- 5 Press $\oplus$.
The selected setting takes effect.

To reset the “AV SYNC” setting

Press **EXIT** + 3 in step 4.

Locking Discs (CUSTOM PARENTAL CONTROL, PARENTAL CONTROL)

You can set two kinds of playback restrictions for a disc.

- Custom Parental Control
You can set playback restrictions so that the player will not play inappropriate discs.
- Parental Control
Playback of some DVD VIDEOS can be limited according to a predetermined level such as the age of the users. Scenes may be blocked or replaced with different scenes.

The same password is used for both Parental Control and Custom Parental Control.



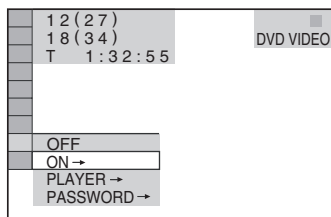
- We recommend using only the DVD player's **Parental Control** to restrict playback.

Custom Parental Control

DVDVideo CD

You can set the same Custom Parental Control password for up to 40 discs. When you set the 41st-disc, the first disc is canceled.

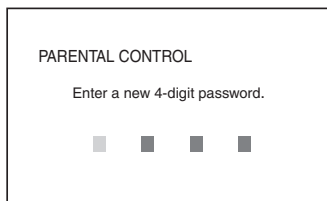
- 1 Insert the disc you want to lock.
If the disc is playing, press **■** to stop playback.
- 2 Press **DISPLAY** while the player is in stop mode.
The Control Menu appears.
- 3 Press **▲/▼** to highlight  (PARENTAL CONTROL), then press **+**.
The options for “**PARENTAL CONTROL**” appear.



- 4 Press **▲/▼** to highlight “**ON →**,” then press **+**.

◆ If you have not entered a password

The display for registering a new password appears.



Enter a 4-digit password using the number buttons, then press **+**.

The display for confirming the password appears.

◆ When you have already registered a password

The display for entering the password appears.

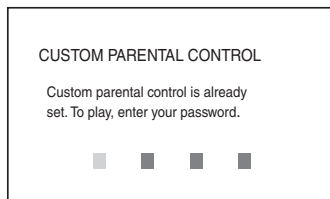
- 5 Enter or re-enter your 4-digit password using the number buttons, then press **+**.
“**Custom parental control is set.**” appears and then the screen returns to the Control Menu.

To turn off the Custom Parental Control function

- 1 Follow steps 1 to 3 of “Custom Parental Control.”
- 2 Press **▲/▼** to highlight “**OFF →**,” then press **+**.
- 3 Enter your 4-digit password using the number buttons, then press **+**.

To play a disc for which Custom Parental Control is set

- 1 Insert the disc for which Custom Parental Control is set.
The “**CUSTOM PARENTAL CONTROL**” display appears.



- 2 Enter your 4-digit password using the number buttons, then press $\oplus$.
The player is ready for playback.

Hint

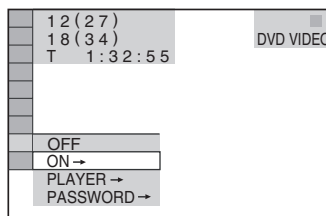
If you forget your password, enter the 6-digit number “199703” using the number buttons when the “**CUSTOM PARENTAL CONTROL**” display asks you for your password, then press $\oplus$. The display will ask you to enter a new 4-digit password.

Parental Control (limited playback)

DVDVideo

Playback of some DVD VIDEOS can be limited according to a predetermined level such as the age of the users. The “**PARENTAL CONTROL**” function allows you to set a playback limitation level.

- 1 Press **DISPLAY** while the player is in stop mode.
The Control Menu appears.
- 2 Press $\blacktriangle/\blacktriangledown$ to highlight (PARENTAL CONTROL), then press $\oplus$.
The options for “**PARENTAL CONTROL**” appear.



- 3 Press $\blacktriangle/\blacktriangledown$ to highlight “**PLAYER →**,” then press $\oplus$.
◆ If you have not entered a password
 The display for registering a new password appears.
 Enter a 4-digit password using the number buttons, then press $\oplus$.
 The display for confirming the password appears.
◆ When you have already registered a password
 The display for entering the password appears.
- 4 Enter or re-enter your 4-digit password using the number buttons, then press $\oplus$.
 The display for setting the playback limitation level appears.
- 5 Press $\blacktriangle/\blacktriangledown$ to highlight “**STANDARD**,” then press $\oplus$.
 The options for “**STANDARD**” are displayed.

- 6 Press $\blacktriangle/\blacktriangledown$ to highlight a geographic area as the playback limitation level, then press $\oplus$.
The area is selected.
When you select “OTHERS $\rightarrow$,” select and enter a Parental Control Area code from the table on page 51 using the number buttons.
- 7 Press $\blacktriangle/\blacktriangledown$ to highlight “LEVEL,” then press $\oplus$.
The ratings restriction options available in “LEVEL” are displayed.
- 8 Select the level you want using $\blacktriangle/\blacktriangledown$, then press $\oplus$.
Parental Control setting is complete.
The lower the value, the stricter the limitation.

To turn off the Parental Control function

Set “LEVEL” to “OFF” in step 8.

To play a disc for which Parental Control is set

- 1 Insert the disc and press $\blacktriangleright$.
The display for entering your password appears.
- 2 The display for entering your password to temporarily disable the Parental Control appears.
- 3 Enter your 4-digit password using the number buttons, then press $\oplus$.
The player starts playback.

Hint

If you forget your password, remove the disc and repeat steps 1 to 3 of “Parental Control (limited playback).” When you are asked to enter your password, enter “199703” using the number buttons, then press $\oplus$. The display will ask you to enter a new 4-digit password. After you enter a new 4-digit password, replace the disc in the player and press $\oplus$. When the display for entering your password appears, enter your new password.



- When you play discs which do not have the Parental Control function, playback cannot be limited on this player.
- Depending on the disc, you may be asked to change the parental control level while playing the disc. In this case, enter your password, then change the level. If the Resume Play mode is canceled, the level returns to the previous level.

Changing the Parental Control password

- 1 Press **DISPLAY** while the player is in stop mode.
The Control Menu appears.
- 2 Press $\blacktriangle/\blacktriangledown$ to highlight  (PARENTAL CONTROL), then press $\oplus$.
The options for “PARENTAL CONTROL” appear.
- 3 Press $\blacktriangle/\blacktriangledown$ to highlight “PASSWORD $\rightarrow$,” then press $\oplus$.
The password entry screen appears.
- 4 Enter your 4-digit password using the number buttons, then press $\oplus$.
- 5 Enter a new 4-digit password using the number buttons, then press $\oplus$.
- 6 To confirm your new password, re-enter it using the number buttons, then press $\oplus$.

If you make a mistake entering your password

Press $\blacktriangleleft$ before you press $\oplus$ and input the correct number.

DVD Disc Operations

Searching for a Particular Point on a Disc (Scan, Slow-motion Play, Freeze

Frame) **DVDVideo**

You can quickly locate a particular point on a disc by monitoring the picture or playing back slowly.



- Depending on the disc, you may not be able to do some of the operations described.
- This section applies to DVD-Video discs; however, you can also use this feature to search for a point in MP3 playback.
- Scan speeds may vary depending on the disc.

Locating a point quickly by playing a disc in fast forward or fast reverse (Scan)

While playing a disc, press the **▶▶** button to scan forward and **◀◀** button to scan backward. Each consecutive time you press the **▶▶** or **◀◀** button, the scanning speed will change. A number displayed with the scan symbol indicates the scan speed (i.e. 2 is faster than 1). To stop scanning and play from the point selected, press **▶**.

Playing in slow-motion

While the disc is in Pause mode, press the **▶▶** or **◀◀** buttons to play the disc forward or backward in slow-motion. Each consecutive press of the **▶▶** or **◀◀** buttons will change the speed of the slow-motion playback. Press **▶** to return the playback to normal speed.

Searching for a Title/Chapter/Track/Scene, etc.

You can search a DVD by title or chapter, and you can search a CD/DATA CD/DATA DVD by track, index, file, or scene. As titles and tracks are assigned unique numbers on the disc, you can select the desired one by entering its number. You can also search for a scene using the time code.

1

Press **DISPLAY** (When playing a DATA CD or DATA DVD with JPEG image files, press twice). The Control Menu appears.

2

Press **▲/▼** to select the search method.

When playing a DVD

- TITLE
- CHAPTER
- TIME/TEXT

When playing a CD

TRACK

When playing a DATA CD/DATA DVD

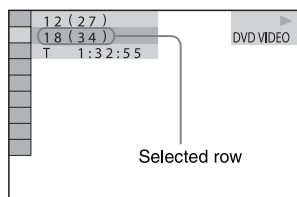
ALBUM

TRACK (MP3 audio tracks only)

FILE (JPEG image files only)

Example: when you highlight CHAPTER
“** (*)” is selected (** refers to a number).

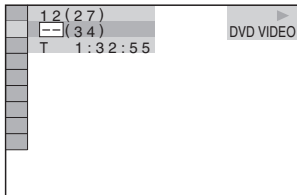
The number in parentheses indicates the total number of titles, chapters, tracks, albums, or files.



3

Press **⊕**.

“** (*)” changes to “-- (**).”



4

Press the number buttons to select the title, chapter, or track number you want to search.

5

Press **⊕**.

The player starts playback from the selected number.

To search for a scene using the time code (DVD only)

Select “**TIME/TEXT**” to search for a starting point by putting in the time code.

- 1 In step 2, highlight  **TIME/TEXT**. “T **: **: **: :” (playing time of the current title) is selected.
- 2 Press .
- 3 “T **: **: **: :” changes to “T --:--:--:.”
Input the time code using the number buttons, then press .

For example, to find the scene at 2 hours, 10 minutes, and 20 seconds after the beginning, enter “2:10:20.”

Hints

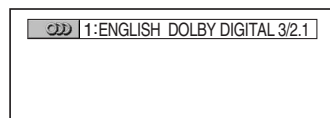
- When the Control Menu display is turned off, you can search for a chapter (DVD) or track (CD/DATA CD/DATA DVD) by pressing the number buttons and .
-  • The title, chapter, or track number displayed is the same number recorded on the disc.
- You cannot search for a scene on a DVD+RW/DVD+R/DVD+R DL using the time code.

Changing the Sound

DVDVR **CD** **DATA CD** **DATA DVD**

When playing a DVD VIDEO recorded in multiple audio formats (PCM or Dolby Digital), you can change the audio format. If the DVD VIDEO is recorded with multilingual tracks, you can also change the language. With CDs, you can select the sound from either the right or left channel and listen to the sound of the selected channel through both the right and left speakers. For example, when playing a disc containing a song with the vocals on the right channel and the instruments on the left channel, you can hear the instruments from both speakers by selecting the left channel.

- 1 Press  + **4** during playback. The following display appears.



- 2 Press  + **4** repeatedly to select the desired audio signal.

◆ When playing a DVD VIDEO

Depending on the DVD VIDEO, the choice of language varies.

When 4 digits are displayed, they indicate a language code. See “Language Code List” on page 51 to see which language the code represents. When the same language is displayed two or more times, the DVD VIDEO is recorded in multiple audio formats.

◆ When playing in DVD-VR mode

The types of sound tracks recorded on a disc are displayed. The default setting is underlined.

Example:

- 1: MAIN (main sound)
- 1: SUB (sub sound)
- 1: MAIN+SUB (main and sub sound)

◆ When playing a CD

The default setting is underlined.

- STEREO: the standard stereo sound
- 1/L: the sound of the left channel (monaural)
- 2/R: the sound of the right channel (monaural)

◆ When playing DATA CD or DATA DVD

The player's internal background sound will be played.

The default setting is underlined.

- BGM 1
- BGM 2
- BGM 3
- BGM 4



- If "MODE (MP3, JPEG)" is set to "AUTO" or "AUTO (BGM)" (page 44), you can hear the player's internal background sound when MP3 is not played.

Checking the audio signal format

DVDVideo

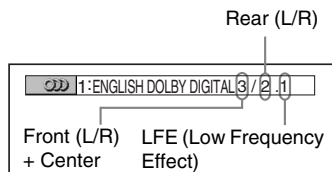
You can check the audio signal format by pressing **ENT** + **4** repeatedly during playback. The format of the current audio signal (Dolby Digital, PCM, etc.) appears as shown below.



This player only outputs 2 channel PCM to the TV.

Example:

Dolby Digital 5.1 ch



About audio signals

Audio signals recorded in a disc contain the sound elements (channels) shown below. Each channel is output from a separate speaker.

- Front (L)
- Front (R)
- Center
- Rear (L)
- Rear (R)
- Rear (Monaural): This signal can be either the Dolby Surround Sound processed signals or the Dolby Digital sound's monaural rear audio signals.
- LFE (Low Frequency Effect) signal

TV Virtual Surround Settings

(TVS) DVDVideo

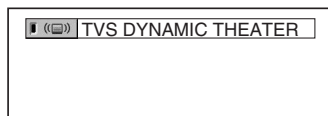
TVS (TV Virtual Surround) lets you enjoy surround sound effects by using sound imaging to create virtual rear speakers from the sound of the front speakers (L: left, R: right) without using actual rear speakers.

TVS was developed by Sony to produce surround sound for home use using just a stereo TV.

This feature only works when playing a multichannel Dolby audio sound track.

1

Press **ENT** + **0** during playback.
The following display appears.



2

Press **ENT** + **0** repeatedly to select one of the TVS sounds.

◆TVS DYNAMIC THEATER, TVS DYNAMIC, TVS WIDE

This mode is effective when the distance between the front L and R speakers is short, such as with built-in speakers on a stereo TV.

◆TVS NIGHT

This feature is useful when you want to hear the dialog and enjoy the surround sound effects of "TVS WIDE" at low volume.

◆TVS STANDARD

Use this setting when you want to use TVS with 2 separate speakers.

To cancel the setting

Select "OFF" in step 2.

- When the playing signal does not contain a signal for the rear speakers, the surround effects cannot be heard.
- When you select one of the TVS modes, turn off the surround setting of the TV.
- Make sure that your listening position is at an equal distance from your speakers and that the speakers are located in similar surroundings.
- Not all discs will respond to the "TVS NIGHT" function in the same way.
- The TVS effects do not work when using the Fast Play or Slow Play functions, even though you can change the TVS modes.

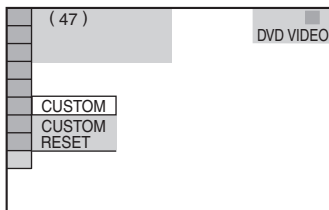
Settings and Adjustments

Using the Setup Menu

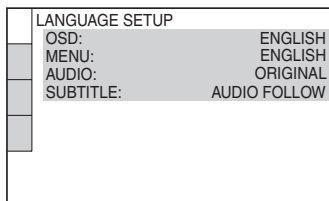
By using the Setup Menu, you can make various adjustments to items such as picture and sound. You can also set a language for the subtitles and the Setup Menu, among other things. Some settings are fixed optimally for the TV; they are unselectable and appear grayed out.

Playback settings stored in the disc take priority over the Setup Menu settings and not all of the functions described may work.

- 1 Press **DISPLAY** when the player is in stop mode.
The Control Menu appears.
- 2 Press $\blacktriangle/\blacktriangledown$ to highlight  (SETUP), then press $\oplus$.
The options for “**SETUP**” appear.



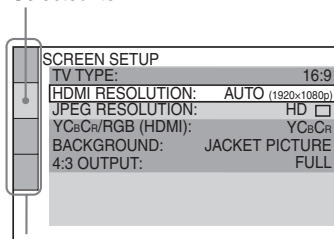
- 3 Press $\blacktriangle/\blacktriangledown$ to highlight “**CUSTOM**,” then press $\oplus$.
The Setup Menu appears.



- 4 Press $\blacktriangle/\blacktriangledown$ to highlight the setup item from the displayed list: “**LANGUAGE SETUP**,” “**SCREEN SETUP**,” “**CUSTOM SETUP**,” or “**AUDIO SETUP**.”
Then press $\oplus$.
The Setup item is selected.

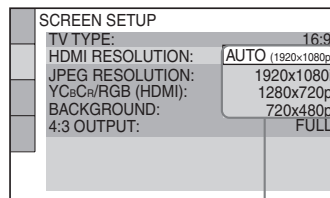
Example: “**SCREEN SETUP**”

Selected item



Setup items

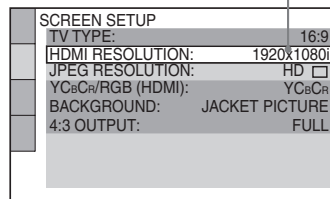
- 5 Press $\blacktriangle/\blacktriangledown$ to highlight an item, then press $\oplus$.
The options for the selected item appear.
Example: “**TV TYPE**”



Options

- 6 Press $\blacktriangle/\blacktriangledown$ to highlight a setting, then press $\oplus$.
The setting is selected and setup is complete.
Example: “**HDMI RESOLUTION**”

Selected setting



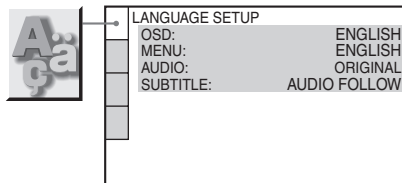
To reset all of the “SETUP” settings

- 1 Highlight “**RESET**” in step 3 and press (+).
- 2 Highlight “**YES**” using ↑/↓.
You can also quit the process and return to the Control Menu by selecting “**NO**” here.
- 3 Press (+).
All the settings explained on pages page 37 to page 41 return to the default settings. Do not press  while resetting the player, which takes a few seconds to complete.

Setting the Display or Sound Track Language (LANGUAGE SETUP)

“**LANGUAGE SETUP**” allows you to set various languages for the on-screen display or sound track.

Select “**LANGUAGE SETUP**” in the Setup Menu. To use the menu, see “Using the Setup Menu” (page 37).



◆ OSD (On-Screen Display)

Switches the display language on the screen.

◆ MENU (DVD VIDEO only)

You can select the desired language for the disc’s menu.

◆ AUDIO (DVD VIDEO only)

Switches the language of the sound track.

When you select “**ORIGINAL**,” the language given priority in the disc is selected.

◆ SUBTITLE (DVD VIDEO only)

Switches the language of the subtitle recorded on the DVD VIDEO.

When you select “**AUDIO FOLLOW**,” the language of the subtitles changes according to the language you selected for the sound track.

Hint

If you select “**OTHERS →**” in “**MENU**,” “**SUBTITLE**,” or “**AUDIO**,” select and enter a language code from “Language Code List” on page 51 using the number buttons.



- If you select a language in “**MENU**,” “**SUBTITLE**,” or “**AUDIO**” that is not recorded on a DVD VIDEO, one of the recorded languages will be automatically selected.
- If the TV’s **Language** setting is set to English or French, the OSD language of the DVD player will automatically follow the TV’s setting.

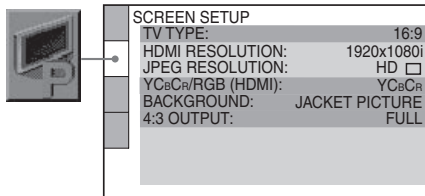
Settings for the Display

(SCREEN SETUP)

Choose settings according to the TV to be connected.

Select “**SCREEN SETUP**” in the Setup Menu. To use the menu, see “Using the Setup Menu”.

The default settings are underlined. Some settings are fixed optimally for the TV and are unselectable.



◆ TV TYPE

This setting is automatically set to 16:9.

16:9	All TVs compatible with this DVD player have a 16:9 aspect ratio.	
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◆ HDMI RESOLUTION

Selects the type of video signals output from the HDMI OUT port. When you select **AUTO (1920 × 1080p)** (default), the player outputs video signals of the highest resolution acceptable for your TV. If the picture is not clear, natural or to your satisfaction, try another option that suits the disc and your TV/projector, etc. For details, refer to the Operating Instructions supplied with the TV/projector, etc.

AUTO (1920 × 1080p)	Normally, select this.
1920 × 1080i	Sends 1920 × 1080i video signals.
1280 × 720p	Sends 1280 × 720p video signals.
720 × 480p	Sends 720 × 480p video signals.



In case of “**AUTO (1920 × 1080p)**” the player automatically adjusts the video signals that are suitable for the TV.

◆ JPEG RESOLUTION

Selects the type of JPEG resolution so that you can enjoy high picture quality via your HDMI connection. You cannot select this when “**HDMI RESOLUTION**” is set to “**720 × 480p**”

SD ☐	Displays standard definition picture with black frame.
HD ☐	Displays high definition picture with black frame.
HD	Displays high definition picture without black frame.
(1920 × 1080i) HD ☐	Displays high definition picture with black frame at 1920 × 1080 pixels.
(1920 × 1080i) HD	Displays high definition picture without black frame at 1920 × 1080 pixels.



- To view the best picture quality, set this setting to “**(1920 × 1080i) HD** ☐” or “**(1920 × 1080i) HD**.” These settings are effective only when you set “**HDMI RESOLUTION**” to “**1920 × 1080i**.”
- If you set this setting to “**(1920 × 1080i) HD** ☐” or “**(1920 × 1080i) HD**,” wipe, rotation, and zoom function are not available.
- If you want to use wipe, rotation, and zoom function; set this setting to “**SD**,” “**HD** ☐,” or “**HD**.”
- If you set this setting to “**(1920 × 1080i) HD** ☐” or “**(1920 × 1080i) HD**,” next image appears after a momentary black screen.
- The screen may turn black momentarily while loading or unloading a DATA CD or DATA DVD disc.

◆ YCbCr/RGB (HDMI)

This setting is automatically set to YCbCr.

YCbCr	Outputs YCbCr signals.
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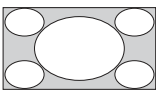
◆ BACKGROUND

This setting is automatically set to **JACKET PICTURE**

JACKET PICTURE	The jacket picture (still picture) appears, but only when the jacket picture is already recorded on the disc and appears when the DVD player is in stop mode. If the disc does not contain a jacket picture, the "GRAPHICS" picture appears.
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◆ 4:3 OUTPUT

This setting is automatically set to **FULL**.

FULL	Enlarges the picture horizontally to fill the screen when the original source is 4:3.	
		16:9 aspect ratio TV



- When using the DVD player, the **Screen** settings on your TV are fixed.

Custom Settings

(CUSTOM SETUP)

Use this to set up playback related and other settings.

Select "**CUSTOM SETUP**" in the Setup Menu. To use the menu, see "Using the Setup Menu" (page 37).

The default settings are underlined.

	CUSTOM SETUP
	PAUSE MODE: <u>AUTO</u>
	TRACK SELECTION: <u>OFF</u>
	MULTI-DISC RESUME: <u>ON</u>
	CONTROL FOR HDMI: <u>ON</u>
	LANGUAGE FOLLOW: <u>ON</u>

◆ PAUSE MODE (DVDs only)

Selects the picture in pause mode.

AUTO	The picture, including subjects that move dynamically, is output with no jitter. Normally, select this position.
FRAME	The picture, including subjects that do not move dynamically, is output in high resolution.

◆ TRACK SELECTION (DVD VIDEO only)

Gives the sound track which contains the highest number of channels priority when you play a DVD VIDEO on which multiple audio formats (PCM or Dolby Digital format) are recorded.

OFF	No priority given.
AUTO	Priority given.



- When you set the item to "**AUTO**," the language may change. The "**TRACK SELECTION**" setting has higher priority than the "**AUDIO**" settings in "**LANGUAGE SETUP**".
- If PCM and Dolby Digital sound tracks have the same number of channels, the player selects PCM and Dolby Digital sound tracks in this order.

◆ MULTI-DISC RESUME (DVD VIDEO only)

Switches the Multi-disc Resume setting on or off. Resume playback can be stored in memory for up to 6 different DVD VIDEOS.

ON	Stores the resume setting in memory for up to 6 discs.
OFF	Does not store the resume setting in memory. Playback restarts at the resume point only for the current disc in the player.

◆ CONTROL FOR HDMI

This setting is automatically turned on.

ON	Sets this function on.
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◆ LANGUAGE FOLLOW

Switches the languages of the DVD player to the same as the current TV OSD language.

ON	Switches this function on.
OFF	Switches this function off.

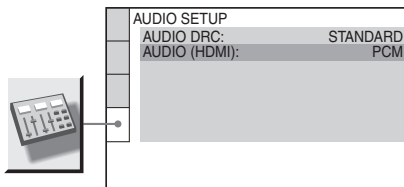


- Turn off any display before using this function.
- The OSD language for player will not change if the TV's language is not supported.

Settings for the Sound (AUDIO SETUP)

"AUDIO SETUP" allows you to set the sound according to the playback and connection conditions.

Select "**AUDIO SETUP**" in the Setup Display. To use the display, see "Using the Setup Menu" (page 37). The default settings are underlined.



◆ AUDIO DRC (Dynamic Range Control) (DVDs only)

Makes the sound clear when the volume is turned down when playing a DVD that conforms to "**AUDIO DRC**."

STANDARD	Normally, select this position.
TV MODE	Makes low sounds clear even if you turn the volume down.
WIDE RANGE	Gives you the feeling of being at a live performance.

◆ AUDIO (HDMI)

This setting is automatically set to PCM.

PCM	Converts Dolby Digital, or 96kHz/24 bit PCM signals to 46kHz/16 bit PCM.
------------	--

MP3 Audio and JPEG Images

About MP3 Audio Tracks and JPEG Image Files

MP3 is audio compression technology that satisfies the ISO/IEC MPEG regulations. JPEG is image compression technology.

You can play DATA CDs/DATA DVDs that contain MP3 audio tracks or JPEG image files.

DATA CDs/DATA DVDs that the player can play

You can play DATA CDs or DATA DVDs recorded in MP3 (MPEG-1 Audio Layer III) and JPEG format. However, this player only plays DATA CDs whose logical format is ISO 9660 Level 1/Level 2 or Joliet, and DATA DVDs of Universal Disk Format (UDF). Refer to the instructions supplied with the disc drives and the recording software (not supplied) for details on the recording format.

The player may not be able to play some DATA CDs/DATA DVDs created in the Packet Write format.

MP3 audio track or JPEG image file that the player can play

The player can play the following tracks and files:

- MP3 audio tracks with the extension “.MP3.”
- JPEG image files with the extension “.JPEG” or “.JPG.”
- JPEG image files that conform to the DCF* image file format.

* “Design rule for Camera File system”: Image standards for digital cameras regulated by JEITA (Japan Electronics and Information Technology Industries Association).

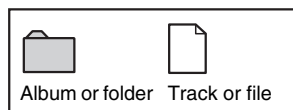
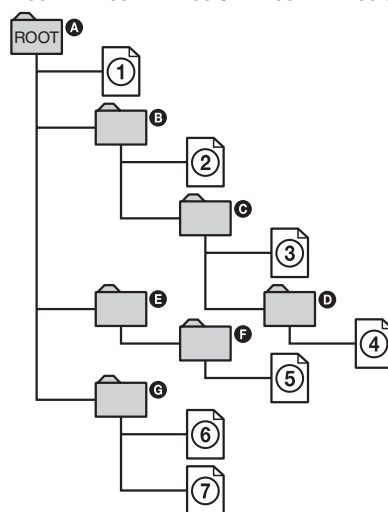
- The player will attempt to play any data with the extension “.MP3,” “.JPG,” or “.JPEG,” even if they are not in MP3 or JPEG format. Playing this data may generate a loud noise which could damage your speaker system.
- The player does not conform to audio tracks in mp3PRO format.
- Some JPEG files cannot be played.

About playback order of albums or folders, tracks, and files

Albums play in the following order:

◆Structure of disc contents

Tree 1 Tree 2 Tree 3 Tree 4 Tree 5



When you insert a DATA CD/DATA DVD and press ► while in the DVD mode, the numbered tracks (or files) are played sequentially, from ① through ⑦. Any sub-albums/tracks (or files) contained within a currently selected album take priority over the next album in the same tree. (Example: C contains D so ④ is played before ⑤.)

Press **OPTIONS** to display the list of albums. The album names are arranged in the following order:

A → B → C → D → F → G. Albums that do not contain tracks (or files) (such as album E) do not appear in the list.

Hints

- If you add numbers (01, 02, 03, etc.) to the front of the track/file names when you store the tracks (or files) in a disc, the tracks and files will be played in that order.
- Since a disc with many tracks takes longer to start playback, it is recommended that you create albums with no more than two tracks.
- Depending on the software you use to create the DATA CD/DATA DVD, the playback order may differ from the above illustration.
- The playback order above may not be applicable if there are more than 200 albums and 300 tracks/files in each album.
- The player can recognize up to 200 albums (the player will count just albums, including albums that do not contain MP3 audio tracks and JPEG image files). The player will not play any albums beyond the 200th album.
- Proceeding to the next or another album may take some time.

Viewing JPEG Images as a Slide Show **DATA CD** **DATA DVD**

You can play JPEG image files on a DATA CD or DATA DVD successively as a slide show.

Selecting an entire album (folder) for playback

- 1** TVs with **XMB™**: On the **XMB™**, navigate to the **Photo** category, then highlight and select the **DVD Link Photo** icon (see page 22).
TVs with Panel menu: Select **DVD Link** from the **External Inputs** menu.
- 2** When the Data Disc Menu appears, press **▲/▼** to highlight the album you want to play.
- 3** Press **⊕**.
The playback begins from the beginning of the album and continues to the end.

To pause playback

Press **⏏**.

To stop playback

Press **■**.

To display the Data Disc Menu

Press **OPTION** .

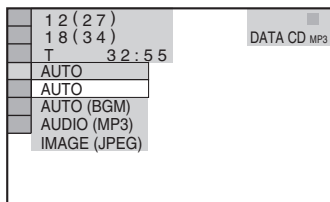


This function does not work if “MODE (MP3, JPEG)” is set to “AUDIO (MP3)” (see below).

Viewing a slide show with sound or music (MODE (MP3, JPEG))

You can enjoy a slide show with sound or music.

- 1** Press **DISPLAY** during stop mode.
The Control Menu appears.
- 2** Press **▲/▼** to highlight  (MODE (MP3, JPEG)) and press **⊕**.
The options for “MODE (MP3, JPEG)” appear.



- 3 Press **↔/↔** to highlight “**AUTO**” (default), and press **(+)**.
The default setting is underlined.
 - **AUTO**: plays the JPEG image files with MP3 audio tracks. If there is no MP3 file, plays JPEG image files with the player’s internal background sound.
 - **AUTO (BGM)**: plays the JPEG image files with the player’s internal background sound. To choose the melody of the background sound, press **ENT** + **4** repeatedly while viewing the image.
 - **AUDIO (MP3)**: plays only MP3 audio tracks continuously.
 - **IMAGE (JPEG)**: plays only JPEG image files continuously.

- 4 Press **OPTIONS** to access the Data Disc Menu
The list of albums on the DATA CD/DATA DVD appears.

- 5 Press **↔/↔** to highlight the album that contains both the MP3 audio tracks and JPEG images you want to play.

- 6 Press **(+)**.
A slide show starts with sound or music.

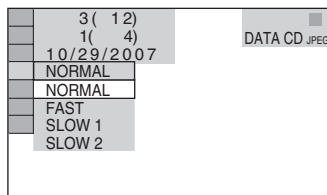
Hints

- To repeat both MP3 audio tracks and JPEG image files in a single album, repeat the same MP3 audio track or album when “MODE (MP3, JPEG)” is set to “AUTO” or “AUTO (BGM)”. See “Playing repeatedly (Repeat Play)” (page 26) to repeat the track or album.
- If JPEG playback finishes during MP3 playback, MP3 playback continues with background picture.
- If MP3 playback finishes during JPEG playback, player’s internal background sound starts.
- If you play large MP3 track data and JPEG image data at the same time, the sound may skip. It is recommended that you set the MP3 bit rate to 128 kbps or lower when creating the file. If the sound still skips, then reduce the size of the JPEG file.

Setting the pace for a slide show (INTERVAL)

You can set the time the slides are displayed on the screen.

- 1 Press **DISPLAY** twice while viewing a JPEG image or when the player is in stop mode.
The Control Menu appears.
- 2 Press **↔/↔** to highlight (INTERVAL), then press **(+)**.
The options for “INTERVAL” appear.



- 3 Press **↔/↔** to highlight a setting.
The default setting is underlined.
 - **NORMAL**: sets to standard duration.
 - **FAST**: sets a duration shorter than NORMAL.
 - **SLOW 1**: sets a duration longer than NORMAL.
 - **SLOW 2**: sets a duration longer than SLOW 1.

- 4 Press **(+)**.

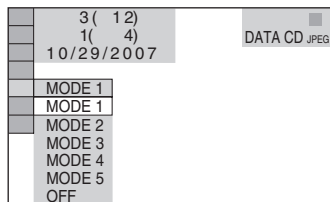


- Some JPEG files, especially progressive JPEG files or JPEG files of 3,000,000 pixels or more, may take longer to display than others, which may make the duration seem longer than the setting you selected.
- Duration of interval depends on “JPEG RESOLUTION” setting in “SCREEN SETUP” (page 39).

Selecting the slideshow transition effects

You can select the way the slides are displayed during a slide show.

- 1 Press **DISPLAY** twice while viewing a JPEG image or when the player is in stop mode.
- 2 Press **↔/↕** to highlight  (EFFECT), then press **(+)**.
The options for “EFFECT” appear.



- 3 Press **↔/↕** to highlight a setting.
The default setting is underlined.
 - MODE 1: the images randomly cycle through the effects.
 - MODE 2: the next image slides over the previous image.
 - MODE 3: the image sweeps in from top to bottom.
 - MODE 4: the image sweeps in from left to right.
 - MODE 5: the image stretches out from the center of the screen.
 - OFF: turns off this function.

- 4 Press **(+)**.



The slideshow transition effect does not work if the JPEG file has rotation information.

Selecting a JPEG image file

- 1 TVs with XMB™: On the XMB™, navigate to the **Photo** category, then highlight and select the **DVD Link Photo** icon.
TVs with Panel menu: Select **DVD Link** from the **External Inputs** menu.
- 2 When the Data Disc Menu appears, press **(1)** to access the thumbnail screen.
The image files in the album appear in thumbnail view.

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16

Thumbnail View

To display additional images, select a bottom image and press **↓**. To return to a previous image, select a top image and press **↑**.

- 3 Press **↔/↕/↔/↕** to highlight the image you want to view, then press **(+)**.
The selected image appears.

Hint

Pressing **(+)** on the highlighted image will begin a slideshow from that image.

Playing MP3 Audio Tracks

DATA CD **DATA DVD**

You can play MP3 audio tracks and JPEG image files on DATA CDs or DATA DVDs.

Selecting an entire album (folder) for playback

1 TVs with **XMB™**: On the **XMB™**, navigate to the **Music** category, then highlight and select the **DVD Link Music** icon (see page 22).

TVs with Panel menu: Select **DVD Link** from the **External Inputs** menu.

2 When the Data Disc Menu appears, press **▲/▼** to highlight the album you want to play.

3 Press **(+)**.

To pause playback

Press **II**.

To stop playback

Press **■**.

To display the Data Disc Menu

Press **○** OPTIONS.

Selecting an MP3 audio track

1 In DVD Player mode, press **OPTIONS** to display the Data Disc Menu.

2 Press **▲/▼** to highlight an album and press **(2)**. The list of tracks in the album appears.

3 Press **▲/▼** to highlight a track and press **(2)**. Playback begins from the selected track.

Hint

Press **(+)** on the highlighted track to begin playback and hide the Data Disc Menu.

To stop playback

Press **■**.

To go to the next or previous page

Press **➡** or **➡**.

To display the Data Disc Menu

Press **○** OPTIONS.

Troubleshooting

If you experience any of the following difficulties while using the player, use this troubleshooting guide to help remedy the problem before requesting repairs. Should any problem persist, consult your nearest Sony dealer.

If you have questions, service needs, or require technical assistance related to the use of your Sony product, please visit our website or call on of the following numbers:

<http://www.sony.com/TVsupport>

1-866-918-2485 for US customers

1-877-899-SONY (7669) for Canadian customers

Power

The green LED power indicator does not light up.

- ➔ Check that the AC adaptor with AC cord is connected securely.
- ➔ The **Control for HDMI** function on the TV must be set to "ON" (see page 17).

Picture

There is no picture/picture noise appears.

- ➔ Ensure the HDMI cable is securely connected.
- ➔ The connecting cords are damaged.
- ➔ Check the connection to your TV (page 16).
- ➔ The disc is dirty or damaged.
- ➔ Access the player through the **XMB™** or panel menu's **External Inputs** menu.
- ➔ Try the following: ① Turn the player off and on again. ② Disconnect and then connect the HDMI cord again. ③ Unplug the power to the DVD player, then reconnect it.
- ➔ Ensure the USB cable is securely connected (TVs with **XMB™**)

The picture does not fill the screen, or extends beyond the screen.

- ➔ The aspect ratio of the disc is fixed on your DVD.
- ➔ When using the DVD player, the Screen settings on your TV are fixed.

Sound

There is no sound.

- ➔ Re-connect the HDMI cable securely.
- ➔ The HDMI cable is damaged.
- ➔ The player is in pause mode or in Slow-motion Play mode.
- ➔ The player is in fast forward or fast reverse mode.

- ➔ If a Home Theater System that supports **Control for HDMI** is connected to your TV, audio will automatically output from the Home Theater System.

No sound is output from the HDMI OUT port

- ➔ Try the following: ① Turn the player off and on again. ② Disconnect and then connect the HDMI cord again. ③ Unplug the power to the DVD player, then reconnect it.
- ➔ The HDMI OUT port is connected to a DVI device (DVI ports do not accept audio signals).

The sound volume is low.

- ➔ The sound volume is low on some DVDs. The sound volume may improve if you set "**AUDIO DRC**" in "**AUDIO SETUP**" to "**TV MODE**" (page 41).

Operation

The remote does not function.

- ➔ The batteries in the TV remote are weak.
- ➔ There are obstacles between the TV remote and the TV.
- ➔ The distance between the remote and the player is too far.
- ➔ The remote is not pointed at the remote sensor on the TV (see the TV's Operating Instructions).
- ➔ Some of the buttons on the supplied remote control may not operate your TV.
- ➔ Some of the buttons that operate the TV may not function in the DVD mode.

The disc does not play.

- ➔ The disc is inserted incorrectly (page 17).
- ➔ The player cannot play certain discs (page 5).
- ➔ The region code on the DVD does not match the player.
- ➔ Moisture has condensed inside the player (page 3).
- ➔ The player cannot play a recorded disc that is not correctly finalized (page 5).

The MP3 audio track cannot be played.

- ➔ Check that the Data CD/DVD is recorded in a compatible format (page 43).
- ➔ The MP3 audio track does not have the extension ".MP3."
- ➔ The data is not formatted in MP3 even though it has the extension ".MP3."
- ➔ The data is not MPEG-1 Audio Layer III data.
- ➔ The player cannot play audio tracks in mp3PRO format.

- ➔ “**MODE (MP3, JPEG)**” is set to “**IMAGE (JPEG)**” (page 44).

The JPEG image file cannot be played (page 49).

- ➔ Check that the Data CD/DVD is recorded in a compatible format (page 43).
- ➔ The file has an extension other than “.JPEG” or “.JPG.”
- ➔ The image is larger than 3072 (width) × 2048 (height) in normal mode, or more than 3,300,000 pixels in progressive JPEG. (Some progressive JPEG files cannot be displayed even if the file size is within this specified capacity.)
- ➔ The image does not fit the screen (the image is reduced).
- ➔ “**MODE (MP3, JPEG)**” is set to “**AUDIO (MP3)**” (page 44).

The MP3 audio tracks and JPEG image files start playing simultaneously.

- ➔ The slideshow setting of “**MODE (MP3, JPEG)**” is set to “**AUTO**” (page 44).

The player's internal background sound and JPEG image files start playing simultaneously.

- ➔ The slideshow setting of “**MODE (MP3, JPEG)**” is set to “**AUTO (BGM)**” (page 44).

The album/track/file names are not displayed correctly.

- ➔ The player can only display numbers and letters of the alphabet. Other characters are displayed as “*.”

The disc does not start playing from the beginning.

- ➔ Program Play, Shuffle Play, Repeat Play, or A-B Repeat Play is selected (page 24).
- ➔ Multi-disc Resume is set to “**ON**” (page 41).

The player starts playing the disc automatically.

- ➔ The disc features an auto playback function.

Playback stops automatically.

- ➔ While playing discs with an auto pause signal, the player stops playback at the auto pause signal.

Some functions such as Stop, Fast Play, Slow Play, Slow-motion Play, Repeat Play, Shuffle Play or Program Play cannot be performed.

- ➔ Depending on the disc, you may not be able to do some of the operations above. Refer to the disc's documentation.

The language for the sound track cannot be changed.

- ➔ Try using the DVD's menu instead of **ENT** + 4 (page 38).
- ➔ Multilingual tracks are not recorded on the DVD being played.
- ➔ The DVD prohibits the changing of the language for the sound track.

The subtitle language cannot be changed or turned off.

- ➔ Try using the DVD's menu instead of **ENT** + 5 (page 38).
- ➔ Multilingual subtitles are not recorded on the DVD being played.
- ➔ The DVD prohibits the changing of subtitles.

The player does not operate properly.

- ➔ When interferences, such as static electricity, cause the player to operate abnormally, unplug the player, then reconnect it.

“Data error” appears on the TV screen when playing a DATA CD/DATA DVD.

- ➔ The MP3 audio track/JPEG image file you want to play may be corrupt.
- ➔ The data is not MPEG-1 Audio Layer III data.
- ➔ The JPEG image file format does not conform to DCF (page 43).
- ➔ The JPEG image file has the extension “.JPG” or “.JPEG,” but is not in JPEG format.

Display language on the screen switches automatically.

- ➔ When “**LANGUAGE FOLLOW**” is set to “**ON**” in the “**CUSTOM SETUP**” (page 41), the display language on the screen automatically switches, according to the language setting of the connected TV, if you change the language settings on your TV, etc..

The disc will not eject.

- ➔ Check that the TV and DVD player are plugged in and powered on.
- ➔ Make sure the cables are securely connected.
- ➔ Eject the disc by pressing the Eject button on the player, or by pressing **ENT** + 8 (page 17).

Player does not appear in the Device List on the TV.

- ➔ For models with **XMB™** menu, the player will not appear in the Device List of HDMI Settings, even though **Control for HDMI** is set to “**On**.”

Language Code List

For details, see pages 34 and 38.

The language spellings conform to the ISO 639: 1988 (E/F) standard.

Code Language	Code Language	Code Language	Code Language
1027 Afar	1183 Irish	1347 Maori	1507 Samoan
1028 Abkhazian	1186 Scots Gaelic	1349 Macedonian	1508 Shona
1032 Afrikaans	1194 Galician	1350 Malayalam	1509 Somali
1039 Amharic	1196 Guarani	1352 Mongolian	1511 Albanian
1044 Arabic	1203 Gujarati	1353 Moldavian	1512 Serbian
1045 Assamese	1209 Hausa	1356 Marathi	1513 Siswati
1051 Aymara	1217 Hindi	1357 Malay	1514 Sesotho
1052 Azerbaijani	1226 Croatian	1358 Maltese	1515 Sundanese
1053 Bashkir	1229 Hungarian	1363 Burmese	1516 Swedish
1057 Byelorussian	1233 Armenian	1365 Nauru	1517 Swahili
1059 Bulgarian	1235 Interlingua	1369 Nepali	1521 Tamil
1060 Bihari	1239 Interlingue	1376 Dutch	1525 Telugu
1061 Bislama	1245 Inupiak	1379 Norwegian	1527 Tajik
1066 Bengali; Bangla	1248 Indonesian	1393 Occitan	1528 Thai
1067 Tibetan	1253 Icelandic	1403 (Afan)Oromo	1529 Tigrinya
1070 Breton	1254 Italian	1408 Oriya	1531 Turkmen
1079 Catalan	1257 Hebrew	1417 Punjabi	1532 Tagalog
1093 Corsican	1261 Japanese	1428 Polish	1534 Setswana
1097 Czech	1269 Yiddish	1435 Pashto; Pushto	1535 Tonga
1103 Welsh	1283 Javanese	1436 Portuguese	1538 Turkish
1105 Danish	1287 Georgian	1463 Quechua	1539 Tsonga
1109 German	1297 Kazakh	1481 Rhaeto-	1540 Tatar
1130 Bhutani	1298 Greenlandic	Romance	1543 Twi
1142 Greek	1299 Cambodian	1482 Kirundi	1557 Ukrainian
1144 English	1300 Kannada	1483 Romanian	1564 Urdu
1145 Esperanto	1301 Korean	1489 Russian	1572 Uzbek
1149 Spanish	1305 Kashmiri	1491 Kinyarwanda	1581 Vietnamese
1150 Estonian	1307 Kurdish	1495 Sanskrit	1587 Volapük
1151 Basque	1311 Kirghiz	1498 Sindhi	1613 Wolof
1157 Persian	1313 Latin	1501 Sangho	1632 Xhosa
1165 Finnish	1326 Lingala	1502 Serbo-Croatian	1665 Yoruba
1166 Fiji	1327 Laothian	1503 Singhalese	1684 Chinese
1171 Faroese	1332 Lithuanian	1505 Slovak	1697 Zulu
1174 French	1334 Latvian; Lettish	1506 Slovenian	
1181 Frisian	1345 Malagasy		1703 Not specified

Parental Control Area Code List

For details, see page 32.

Code Area	Code Area	Code Area	Code Area
2044 Argentina	2115 Denmark	2304 Korea	2436 Portugal
2047 Australia	2165 Finland	2363 Malaysia	2489 Russia
2046 Austria	2174 France	2362 Mexico	2501 Singapore
2057 Belgium	2109 Germany	2376 Netherlands	2149 Spain
2070 Brazil	2248 India	2390 New Zealand	2499 Sweden
2079 Canada	2238 Indonesia	2379 Norway	2086 Switzerland
2090 Chile	2254 Italy	2427 Pakistan	2528 Thailand
2092 China	2276 Japan	2424 Philippines	2184 United Kingdom

Specifications

<i>Model</i>	<i>DMX-DVD</i>
Power Requirements	AC 120V AC 50/60Hz
Power Consumption	6W average; 12W peak
DC Input	12V
Video Signal	HDMI (480p up to 1080p)
Input/Output Ports	
Terminals	DC In (12V) x1 (for supplied AC adapter only)
DMe^x (for connection to compatible TV)	x1
HDMI OUT	x1
Mechanical Characteristics	
Dimensions (WxHxD)	6.3 x 9.8 x 1.0 (in) (160 x 250 x 26 (mm))
Weight	2.3 lbs (1.0 kg)
Supplied Accessories	
HDMI Cable	x1 (1.5m, L-shape connector for DMX-DVD)
USB Cable	x1 (1.5m, A to mini-B)
AC Adapter with AC Cord	x1 (DC cord 1.0m, AC cord 1.9m)
Fixed Mounting Bracket	x1
Adjustable Mounting Bracket	x1
Operating Instructions	x1
Linux Flyer	x1
Warranty Card	x1
Supplied Screws	1) Plastic Fasteners x2 2) Thumb Screw x1
Velcro Strips	x2
Remote Control	x1 (RM-YD023)
AA Batteries	x2



- Design and specifications are subject to change without notice.

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For Your Convenience

Please contact Sony directly if you:

- Have questions on the use of your DVD player after reading your Operating Instruction manual
- Experience difficulty operating your DVD player

Contact Sony Customer Support at:

<http://www.sony.com/tvsupport>

or to speak with a support representative:

United States

1-866-918-2485

Canada

1-877-899-SONY (7669)

Sony will work to resolve your questions more quickly than your retailer or place of purchase.

Please Do Not Return the Product to the Store

Online Registration Available:

Be sure to register your BRAVIA DVD Link.

United States

<http://productregistration.sony.com>

Canada

<http://www.sonystyle.ca/registration>

